

**Radcliffe Meteorological Station**  
 School of Geography - University of Oxford  
 Monthly Summary of Weather at Oxford for *February 2019*

		<b>Difference from long period mean</b>
Mean air temperature (°C)	6.8	+2.6
Absolute maximum air temperature (°C)	18.8 (26 <sup>th</sup> )	+6.0*
Lowest maximum air temperature (°C)	2.4 (1 <sup>st</sup> )	-
Mean maximum air temperature (°C)	11.8	+4.3
Absolute minimum air temperature (°C)	-4.7 (3 <sup>rd</sup> )	-0.3
Mean minimum air temperature (°C)	2.3	+0.8
Absolute minimum grass temperature (°C)	-11.2 (3 <sup>rd</sup> )	-2.8
Mean minimum grass temperature (°C)	-1.2	-0.2
Absolute minimum concrete temperature (°C)	-5.6 (3 <sup>rd</sup> ) †	-0.5
Mean minimum concrete temperature (°C)	0.6 †	-0.4
Mean soil temperature at 30 cm (°C)	5.0	+0.8
Mean soil temperature at 100 cm (°C)	0.0	-
Highest daily rainfall (mm)	6.8 (8 <sup>th</sup> )	-
Total rainfall (mm)	40.4	-1
Total bright sunshine (hours)	127.8	+56.2*
Mean daily bright sunshine (hours)	4.6	-
Mean wind speed (knots)	5.5	-
No. of rain days (0.2 mm or more rainfall)	13.0	-0.7
No. of wet days (1.0 mm or more rainfall)	10.0	-
No. of days with minimum temperature less than 0°C	8.0	-1.6
No. of days with ground temperature less than 0°C	15.0	-1.6
No. of days with fog at 0900 GMT	2.0	-0.9
No. of days with snow lying at 0900 GMT	3.0	0.0

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**bold** denotes anomalies in excess of **one** standard deviation above/below the long-term mean for February.

\* denotes anomalies in excess of **two** standard deviations above/below the long-term mean for February.

† One day missing value

### Notes

The main weather story in February 2019 was the period of extremely warm weather in the last week of the month. On February 26<sup>th</sup>, RMS experienced the warmest ever temperature recorded during February – 18.8°C. These warm temperatures contributed to a much warmer than average mean air temperature for the month, but due to some cooler-than-average temperatures at the start of the month, this was not record-breaking (although still in the top 20 warmest Februarys on record). After the warm weather it is easy to forget we had 3 days of snow at the start of the month! On February 1<sup>st</sup> 5cm of snow was laying, which has melted by the end of the 3<sup>rd</sup>.

The warm final week of February also contributed to record-breaking sunshine totals during February. The total of 127.8 bright sunshine hours made February 2019 the sunniest on record, beating the previous record in 2008 by 3.7 hours.

Rainfall and frost measurements were all close to average for this time of year.

All available reports can be found on our website ([www.geog.ox.ac.uk/research/climate/rms](http://www.geog.ox.ac.uk/research/climate/rms)). We also occasionally tweet (@RMS\_Oxford).

Amy Creese (20/02/19)

**Radcliffe Meteorological Observer**